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Changed chart(s) since Disc 23-2009

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT

PROCEDURE IDENT

INDEX

REV DATE

EFF DATE

No revision activity since Disc 23-2009

TERMINAL CHART NOTAMs

Chart NOTAMs for Airport ULMM

Type: Terminal  
Effectivity: Temporary  
Begin Date: Immediately  
End Date: Until Further Notice

UFN HIALS rwy 32 downgraded to SALS, IAP ILS rwy 32 CAT B, C & D MDA(H) chgd to 496'(230'), VIS 900M.

General Info

Murmansk, RUS  
N 68° 46.9' E 32° 44.8' Mag Var: 12.3°E  
Elevation: 266'

Public, IFR, Control Tower, Customs, Landing Fee  
Fuel: Jet A-1  
Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+3:00 uses DST

Runway Info

Runway 14-32 8202' x 138' concrete

Runway 14 (135.0°M) TDZE 241'  
Lights: Edge, ALS  
Runway 32 (315.0°M) TDZE 266'  
Lights: Edge, ALS

Communications Info

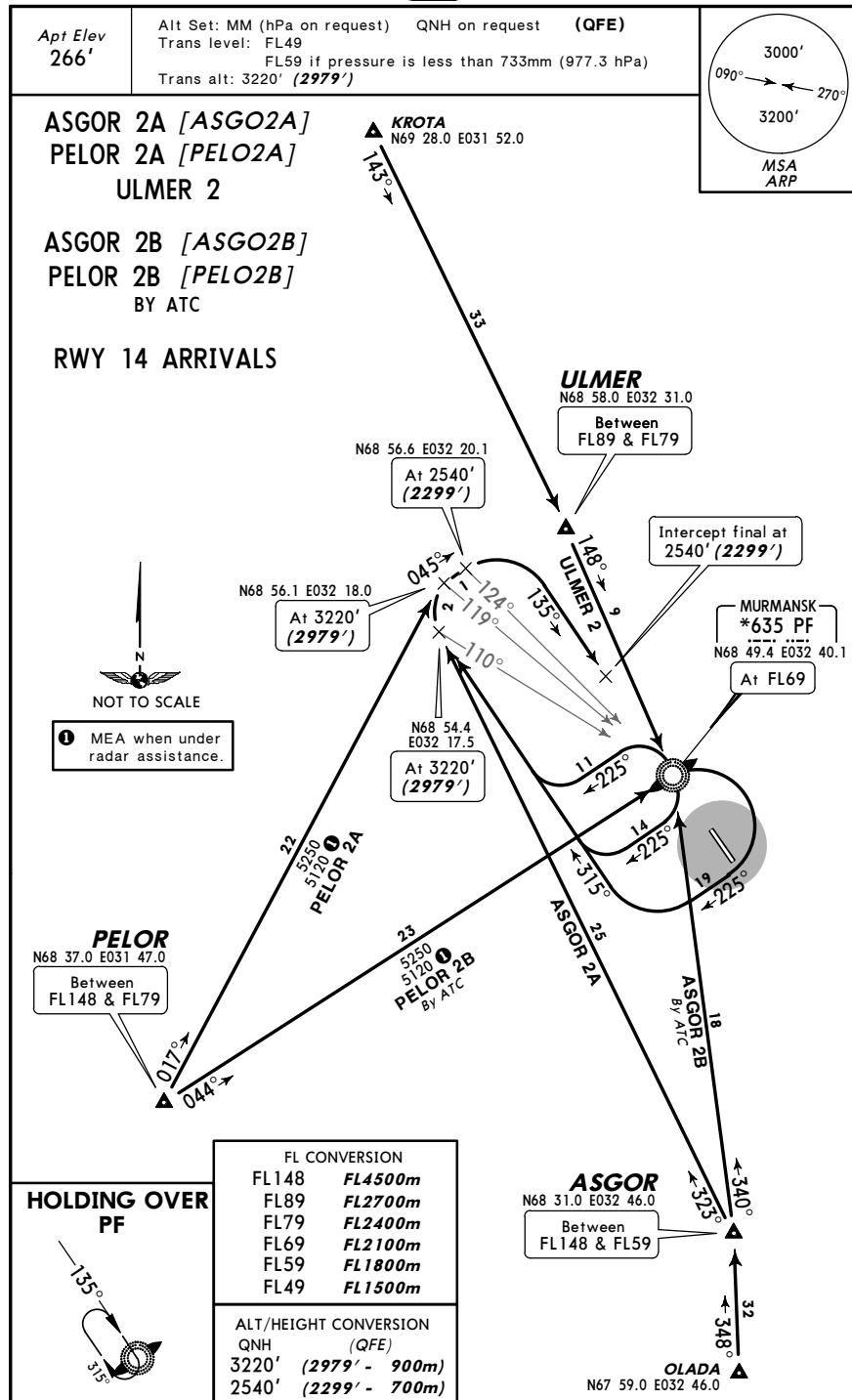
Murmansk Tower **120.3**

Notebook Info

**ULMM/MMK**  
**MURMANSK**

JEPPesen  
19 JAN 07 10-2

**MURMANSK, RUSSIA**



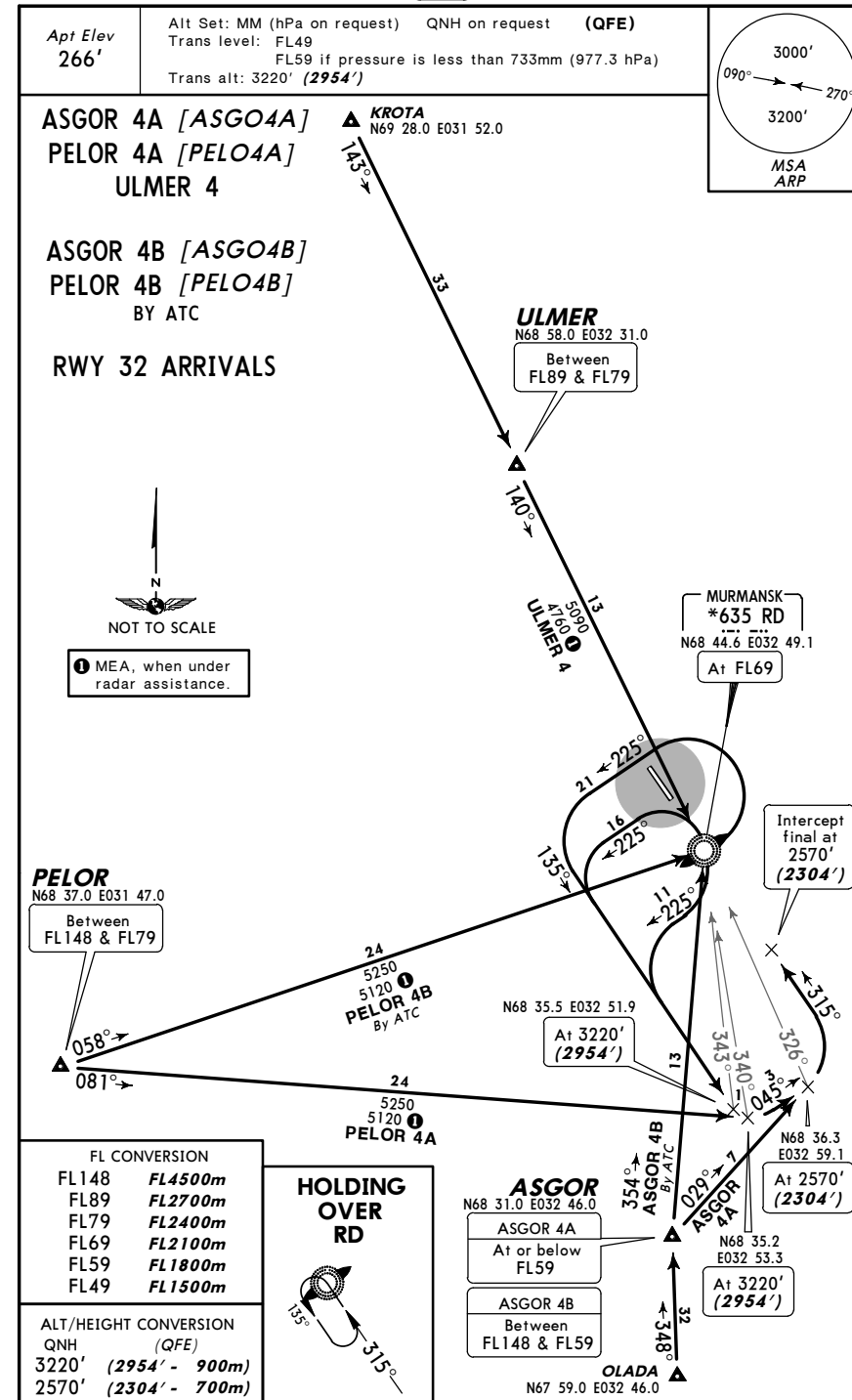
**CHANGES:** None.

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19 JAN 07 10-2A

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CHANGES: STAR ASGOR 4A, crossing at ASGOR.

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MURMANSK



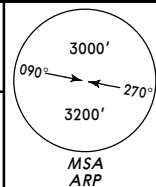
MURMANSK, RUSSIA

21 JUL 06 10-3 Eff 3 Aug

SID

Apt Elev  
266'

QNH on request (QFE)  
Trans level: FL49  
FL59 if pressure is less than 733mm (977.3 hPa)  
Trans alt: 3220' (2954')



ASGOR 1, ASGOR 3  
PELOR 1, PELOR 3  
ULMER 1, ULMER 3  
RWYS 14, 32 DEPARTURES

ALT/HEIGHT CONVERSION	
QNH	(QFE)
680'	(414' - 125m)
1090'	(824' - 250m)
1910'	(1644' - 500m)
3220'	(2954' - 900m)

FL CONVERSION	
FL39	FL1200m
FL49	FL1500m
FL59	FL1800m
FL79	FL2400m
FL89	FL2700m

PELOR  
N68 37.0 E031 47.0  
At or above  
FL79



These SIDs require minimum climb gradients of

**Rwy 14**

Aircraft with more than 162 KT,  
383' per NM (6.3%) up to 1090' (824'), then  
273' per NM (4.5%) up to FL39,  
Aircraft with less than 162 KT,  
383' per NM (6.3%) up to 680' (414'), then  
273' per NM (4.5%) up to FL39.

**Rwy 32**

243' per NM (4%) up to 1910' (1644'), then  
213' per NM (3.5%) up to FL39.

Further climb according to Flight Operation Manual.

If unable to reach assigned FL climb in the established rectangular traffic pattern and by ATC instruction.

ASGOR  
N68 31.0 E032 46.0

ASGOR 1
Between FL59 & FL79
ASGOR 3
Between FL79 & FL89

Gnd speed-KT	75	100	150	200	250	300
383' per NM	479	638	957	1276	1595	1914
273' per NM	342	456	684	911	1139	1367
243' per NM	304	405	608	810	1013	1215
213' per NM	266	354	532	709	886	1063

KROTA  
N69 28.0 E031 52.0

ULMER  
N68 58.0 E032 31.0

ULMER 1
Between FL79 & FL89
ULMER 3
At or above FL59

N68 53.0 E032 33.7

At or above  
1910' (1644')  
but not before  
6.5 NM from  
THR RWY 14

N68 41.8 E032 54.3

At or above  
1910' (1644')  
but not before  
5.4 NM from  
THR RWY 32

OLADA  
N67 59.0 E032 46.0

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Apt Elev 266'  
N68 46.9 E032 44.8



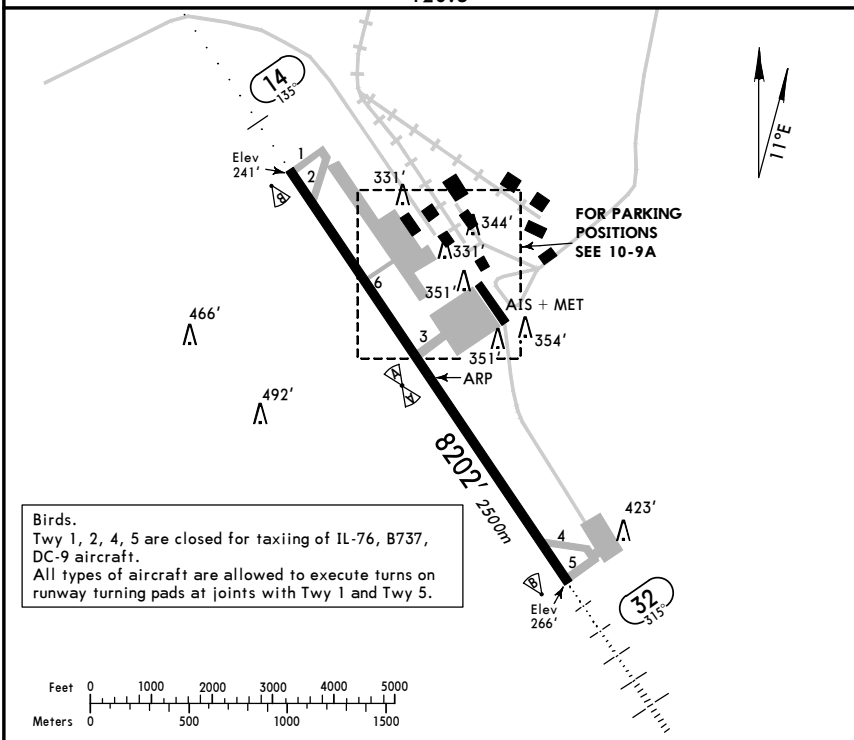
MURMANSK, RUSSIA

6 FEB 09 10-9

MURMANSK

MURMANSK Tower

120.3



ADDITIONAL RUNWAY INFORMATION					
RWY				USABLE LENGTHS	
				LANDING BEYOND Threshold	TAKE-OFF
14	HIRL (60m)	ALS	RVR	7382' 2250m	148'
32	HIRL (60m)	HALS PAPI (angle 3.0°)	RVR	7482' 2281m	45m

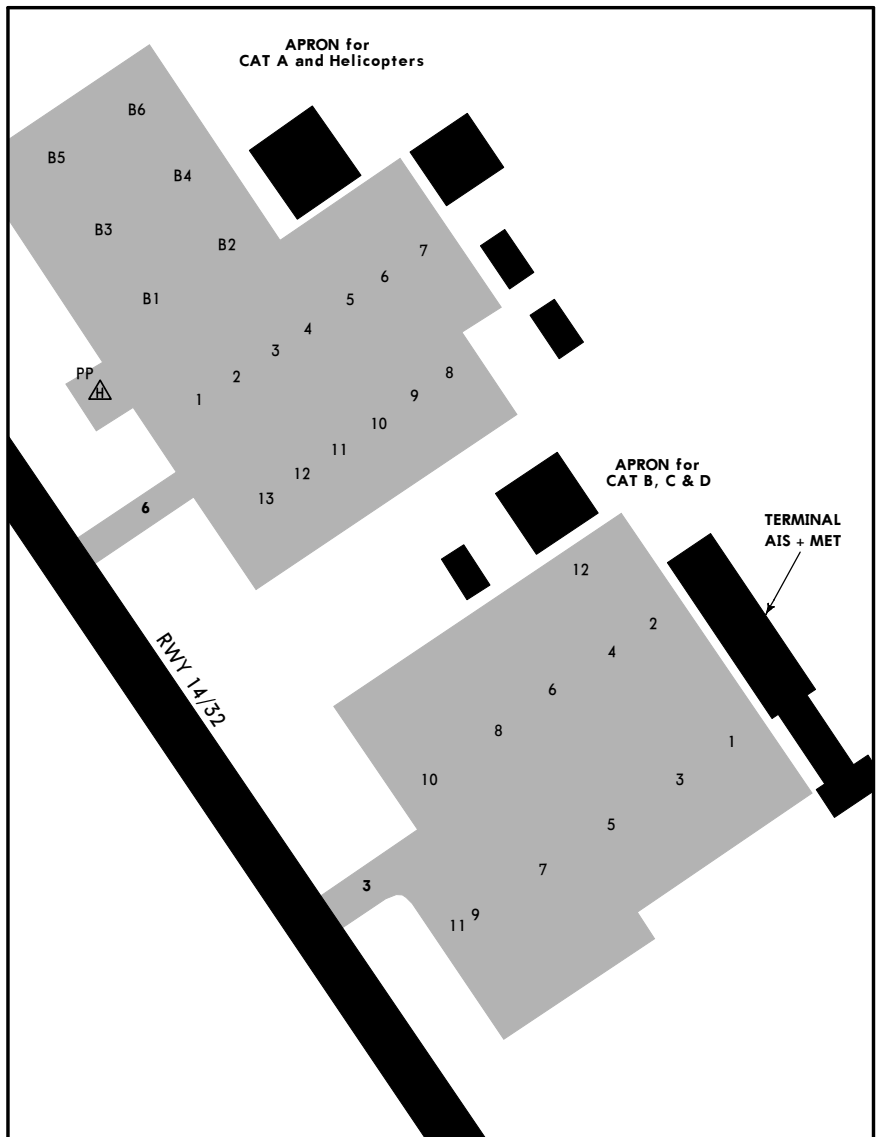
TAKE-OFF	
AIR CARRIER (JAA)	
All Rwys	
LVP must be in force RCLM (DAY only) or RL	RCLM (DAY only) or RL

A	250m	400m
B		
C		
D	300m	

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JEPPesen  
6 FEB 09 (10-9A)

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INS COORDINATES

APRON for CAT B, C & D		APRON for CAT A	
STAND No.	COORDINATES	STAND No.	COORDINATES
3 thru 8	N68 47.0 E032 45.1	PP	N68 47.2 E032 44.6

Stand PP for helicopters only.

On the apron for acft CAT A stands 1-13 & B1-B6 for helicopters.

On the apron for acft CAT B, C & D:

1. When facing SE acft with an operating radius of 72'/22m or less shall taxi out of stands 3, 5, 7 and 9 under own power only, other acft shall be towed.

2. When facing NW acft with an operating radius of 72'/22m or less shall taxi out of stands 4, 6, 8 and 10 under own power only, other acft shall be towed.

ULMM/MMK

JEPPesen  
3 NOV 00 (10-9X)

JAA MINIMUMS  
MURMANSK, RUSSIA  
MURMANSK

STRAIGHT-IN RWY		A	B	C	D
14	ILS	505' (262')	505' (262')	505' (262')	505' (262')
		R900m	R900m	R900m	R900m
	ALS out	R1200m	R1200m	R1200m	R1200m
	NDB	720' (477')	720' (477')	720' (477')	720' (477')
32	ILS	466' (200')	466' (200')	466' (200')	466' (200')
		R550m	R550m	R550m	R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	NDB	1010' (744')	1010' (744')	1010' (744')	1010' (744')
	ALS out	R1200m	R1400m	R1400m	R1800m
		R1500m	R1500m	R2000m	R2000m

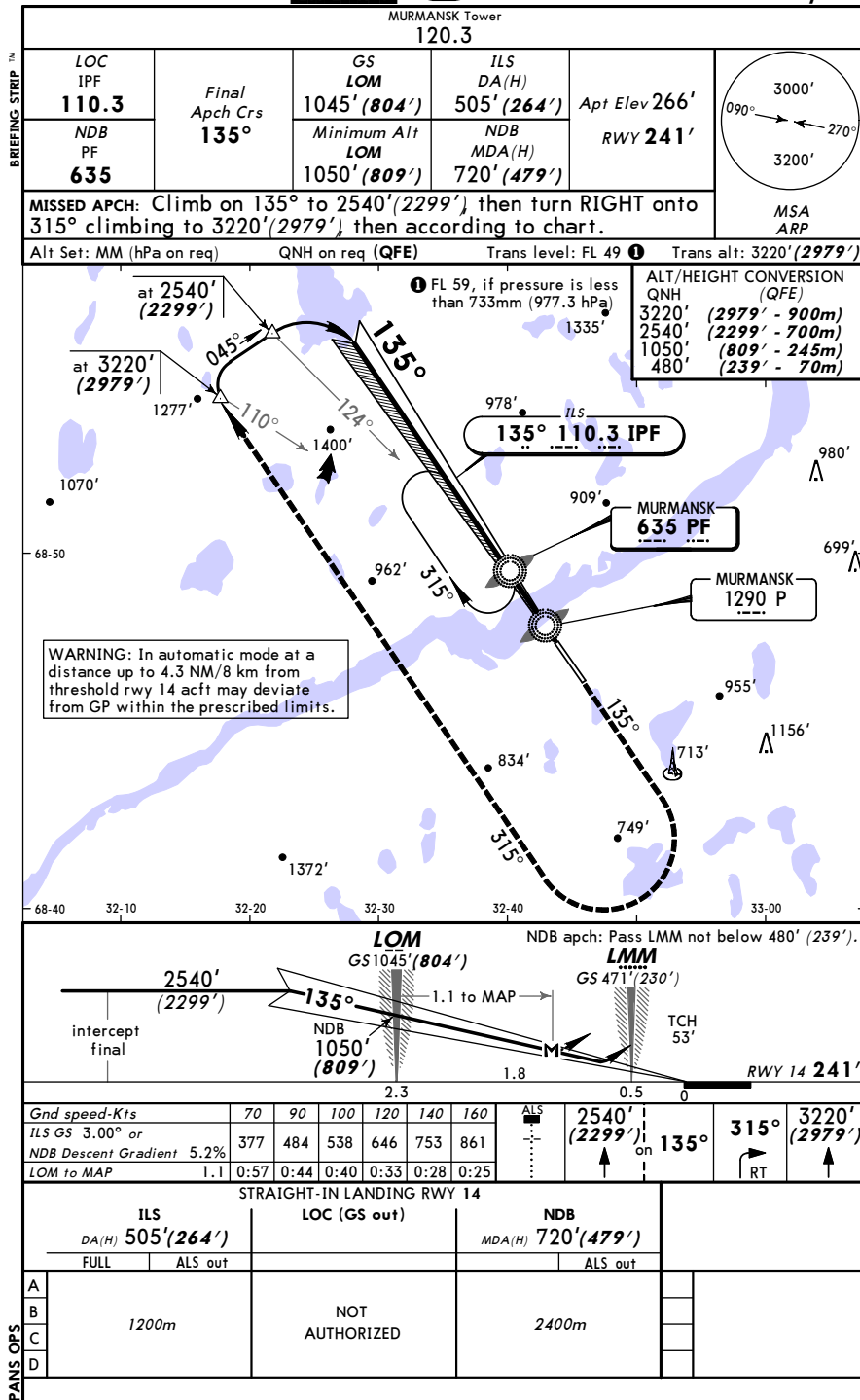
TAKE-OFF RWY 14, 32

LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

ULMM/MMK  
MURMANSK

JEPPesen  
10 NOV 06  
Eff 23 Nov (11-1)

MURMANSK, RUSSIA  
ILS or 2 NDB Rwy 14



ULMM/MMK  
MURMANSK

JEPPesen  
10 NOV 06  
Eff 23 Nov (11-2)

MURMANSK, RUSSIA  
ILS or 2 NDB Rwy 32

